High Performance GPS Tracking

DESCRIPTION

The RTS GSM Series is a high performance long range tracking system using global cellular radio technology to communicate the position of people, vehicles, and other remote assets. Remote transmitter and base receiver units support quad band communication with frequencies of 850 / 900 / 1800 / 1900 MHz. The technology is most suitable for tracking units located where global cellular wireless service, specifically General Packet Radio Service (GPRS) and Global System for Mobile Communications (GSM) is available.

Remote tracking units, equipped with GPS receivers, report their position to a GSM base unit via GPRS or Short Message Service (SMS), and, in turn communicate with a Command and Control System (CCS). The CCS integrates the tracking data with data from Google Earth and Google Maps to display real-time tracking unit location and status data via the vMonitor software.

The GSM series can simultaneously track an unlimited number of remote units, each transmitting ID and alarm data, GPS position and satellite count, heading, and speed.

Browser based Tracking

Trip History

Alerts

vMonitor--User Interface for Real Time Tracking and Configuration
Global Cellular Tracking System

SPECIFICATIONS

GENERAL RADIO SPECIFICATIONS

Frequency  850/900/1800/1900 MHz
Compliant to GSM phase 2/2+

Output Power  Class 4 (2W @ 850/900 MHz)
Class 1 (1W @ 1800/1900 MHz)

Transmission Media  Global System for Mobile
Communications (GSM)

Reporting  General Packet Radio Service (GPRS)
Short Messaging Service (SMS)

REMOTE FIELD TRACKING UNITS

GPS Data  Unit ID, Latitude, Longitude, Heading,
Speed, Active Satellite Count,
Unit Status

GPS Receiver  MTK All-in-One GPS receiver
Circular error probability  3 meters
TFF  Code Start: 35s  Hot Start < 1s
Standard update rate  20 second (adjustable)

Vehicle Tracking Unit

Input power  Standalone unit  9 - 32 VDC

Current draw  Operation  42 - 81 mA
Standby  6.8 - 14 mA

Dimensions  105 mm x 78 mm x 24 mm

Operating temperature  -30 °C to +80 °C

Interfaces  4 Digital inputs
4 Digital Outputs
1 RS-232

FEATURES:
- Geo-Fence Exit & Entry Alerts
- Text & Email Notification
- Trip History View
- Live View
- Panic Alert
- Data Download

ORDERING INFORMATION

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